



VALVE LIMIT SWITCH CONTACT DEVELOPMENT			FUNCTION
CON-TACT	VALVE POSITION		
	FULL OPEN	FULL CLOSED	
A	█		BY-PASS FOR X
B	█		SPARE
C	█	█	CLOSE LIGHT
D	█		OPENING LIMIT
E	█		BY-PASS FOR Y
F	█		SPARE
G	█		OPEN LIGHT
H	█		INTERLOCK W/ MAKEUP PUMP

X CLOSING TORQUE SW. INTERRUPTS CONTROL CIRCUIT IF MECH OVERLOAD OCCURS DURING CLOSING CYCLE
 Y OPENING TORQUE SW. INTERRUPTS CONTROL CIRCUIT IF MECH OVERLOAD OCCURS DURING OPENING CYCLE.

□ CONTACT OPEN █ CONTACT CLOSED

- LOCATION SYMBOLS:**
- △ IN CONTROL ROOM
 - ⊕ IN PUSHBUTTON
 - AT CONTROLLED EQUIPMENT
 - AT M.C.C.
 - ⊞ IN DEDICATED SHUTDOWN PANEL H21P625
 - ▣ AT VALVE P4400F601A LIMIT SWITCH
 - ▤ AT VALVE P4400F603A LIMIT SWITCH

REFERENCE DWG'S & DOCUMENTS

- I-2070-01 LOGIS SYMBOLS AND LEGEND
- I-2440-01 LOGIC DIAG. - EECW & EESW SYSTEMS
- I-2441-21 SCHM DIAG. EECWS VALVES - AUTO OPEN
- M-5358 PIPING DIAG. - RBCCW SYSTEM
- SD-2512-18 480VAC MCC 72C-3A FRONTAL ELEV.
- M-5444 PIPING DIAG. - EECW SYSTEM DIV. I
- M-2001 LEGEND OF SYMBOLS & INSTRUMENT IDENTIFICATION FOR PLANT SYSTEM DIAGRAMS
- I-2003-01, 02, 03 ARRANGEMENT OF EQUIP. ON PANEL H11P601
- 6M-2290, SHT. 2 STANDARD PANEL CONFIGURATION
- I-2440-05 EMERGENCY EQUIPMENT COOLING WATER SYSTEM VALVE - AUTO OPEN DIV. II LOGIC DIAGRAM
- I-2441-25 SCHEMATIC DIAGRAM - EECW MAKEUP PUMP P4400C002A

5I721-2440-06
LATEST REVISION E

- NOTES:**
- REFER TO EDISON STANDARD DWG 6M-2290, SH. 2 DETAIL 2 FOR EXPLANATION OF CONTROL PUSHBUTTONS.

NUCLEAR SAFETY RELATED

THIS IS AN AUTOCAD PRODUCED DRAWING. CHANGES OR REVISIONS MUST BE BROUGHT TO THE ATTENTION OF THE PLANT ENGINEERING DESIGN GROUP TO ENSURE THAT CONFIGURATION CONTROL IS MAINTAINED.

VALVE				FEEDER			COP		LOCAL	
** IDENT	DIV	CODE NO.	TAG NO.	MCC	POS	OPEN PB	CLOSE PB	OPEN PB	CLOSE PB	
13	EECW M. U. TANK A OUTLET	P4400F602A	V8-2407	72C-3A	7A	1A225	1A226	PB1-7A	PB2-7A	

** VALVE NO. FROM TABLE ON SYST. DIAG. M-5444

THIS DRAWING WAS REFORMATTED BY AUTOCAD AT REVISION "E". ALL PREVIOUS APPROVAL SIGNATURES ARE ON FILE ON MICROFILM IN DOCUMENT CONTROL.

E DCD'S INCORPORATED: ECR-30844-1, REV. A ECR-30844-7, REV. D		A PORTION OF THIS DRAWING IS AFFECTED BY THE FOLLOWING: TC CHANGE DOCUMENT		PREPARED BY DATE
OTHER REVISIONS: CORRECTED PIS NUMBERS IN ZONES D-2/3. CHANGED P44F601A & P44F603A TO P4400F601A & P4400F603A RESPECTIVELY. ADMINISTRATIVE CHANGES PER PEPS-0019		CHECKED BY DATE		CHECKED BY DATE
PREPARED BY C. M. Brzustewicz	DATE 11/30/04	CHECKED BY J.P. [Signature]	DATE 12/15/04	APPROVED BY DATE
APPROVED BY A.J. Banek	DATE 12/16/04	EDP POSTING ENTRIES REQUIRE THE ADDITION OF THE ARMS STATUS CODE: EITHER "AFC" OR "ASB"		

INC. CODE	Detroit Edison		Fermi 2
U	TITLE		
	LOGIC DIAGRAM		
	EMERGENCY EQUIPMENT COOLING WATER SYSTEM VALVES DIV. I		
	AUTO OPEN		
	APERTURE CARD TITLE		
	L/D EECWS VLVS DIV I AUTO OPEN		
	PLANT IDENTIFICATION SYSTEM NUMBER		ARMS RECIPIENT #
	P4400		
	DOCUMENT TYPE CODE	NUC OPS FILE NO.	DATE ISSUED TO IS
	DDDINC	1801	12-16-04
	DRAWING NUMBER		REV.
	5I721-2440-06		E